AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE	PAGE	OF PAGES
NE PFH 7-1(3)	1	10

2. AMENDMENT/MODIFICATION NO.	3. EFFECTIVE DATE	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. *(If applicable)*
0003	6-2-2003		NE PFH 7-1(3)

6. ISSUED BY — CODE 69050001

Federal Highway Administration
Central Federal Lands Highway Division
555 Zang Street, Room 259, HFAC-16
Lakewood, CO 80228-1010

7. ADMINISTERED BY *(If other than Item 6)* — CODE

8. NAME AND ADDRESS OF CONTRACTOR *(No., street, county, State and ZIP Code)*

•

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CODE | FACILITY CODE

(✓) ✓

9A. AMENDMENT OF SOLICITATION NO.
NE PFH 7-1(3)

9B. DATED *(SEE ITEM 11)*
4-28-2003

10A. MODIFICATION OF CONTRACT/ORDER NO.

10B. DATED *(SEE ITEM 13)*

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☐ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☐ is extended, ☒ is not extended.

Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning * one copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA *(If required)*

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(✓) A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: *(Specify authority)* THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.

B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES *(such as changes in paying office, appropriation date, etc.)* SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).

C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:

D. OTHER *(Specify type of modification and authority)*

E. IMPORTANT: Contractor ☒ is not, ☐ is required to sign this document and return *SEE 11. ABOVE copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION *(Organized by UCF section headings, including solicitation/contract subject matter where feasible.)*

See attached Page 2 for specific changes made to bid schedule (Section B), SCRs (Section I) and plan sheets.

NOTE: As a result of Amendment 0002, the bid opening date was changed from June 3 to June 5 at 2:00 p.m. The bid opening will be held in Conference Room B, 3rd Floor. Signs will be posted for those planning to attend.

FAILURE TO ACKNOWLEDGE THIS AMENDMENT BY THE DESIGNATED DATE AND HOUR SPECIFIED ABOVE MAY RESULT IN REJECTION OF YOUR BID.

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER *(Type or print)*		16A. NAME AND TITLE OF CONTRACTING OFFICER *(Type or print)*	
15B. CONTRACTOR/OFFEROR *(Signature of person authorized to sign)*	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY *(Signature of Contracting Officer)*	16C. DATE SIGNED

AMENDMENT #0003

Bid Schedule (Section B)

- Remove Page B-2 and replace with new Page B-2 bearing revision date 06/02/03; changed Pay Item 30107G, Aggregate surfacing course, grading G to Pay Item 30107, Aggregate surface course

Special Contract Requirements (Section I):

- Remove Pages I-44 and I-45 and replace with new Pages I-44 and I-45 bearing revision date 06/02/03; deleted Section 301 and replaced with revised Section 301
- Remove Page I-50 and replace with new Page I-50 bearing revision date 06/02/03; revised Subsection 703.05

Plan sheets:

- Remove Sheet 3 and replace with new Sheet 3 bearing revision date 06/02/03; changed "Aggregate surfacing course, grading G" to "Aggregate surface course" in all three typical sections
- Remove Sheet 4 and replace with new Sheet 4 bearing revision date 06/02/03; changed Pay Item 30107G, Aggregate surface course, grading G to Pay Item 30107, Aggregate surface course
- Remove Sheet 8 and replace with new Sheet 8 bearing revision date 06/02/03; Surfacing Summary table, changed Pay Item 30107G, Aggregate surface course, grading G to Pay Item 30107, Aggregate surface course
- Remove Sheet 22 and replace with new Sheet 22 bearing revision date 06/02/03; Section A-A, changed "Aggregate surfacing course, grading G" to "Aggregate surface course"

REVISED 06/02/03

Pay Item No.	Estimated Quantity	Unit Bid Price	Amount Bid
20402	Subexcavation		
	100 m3	$_____	$_____
20429	Grade ditch		
	90 m	$_____	$_____
21201	Linear grading		
	0.800 km	$_____	$_____
25101B	Placed riprap class 2		
	30 m3	$_____	$_____
25101E	Placed riprap class 5		
	530 m3	$_____	$_____
** 30107	Aggregate surface course		
	7,600 t	$_____	$_____
60101	Concrete		
	75 m3	$_____	$_____
60201M	600 mm pipe culvert		
	55 m	$_____	$_____
60201P	900 mm pipe culvert		
	75 m	$_____	$_____
60201W	1950 mm pipe culvert		
	140 m	$_____	$_____
60206M	End section for 600 mm pipe culvert		
	8 Each	$_____	$_____
60206P	End section for 900 mm pipe culvert		
	8 Each	$_____	$_____

Section 301. - UNTREATED AGGREGATE COURSES

Construction Requirements

301.08 Acceptance.

(a) Aggregate gradation. Add the following:

When all the test results are completed and evaluated for a lot, the Contractor may optimize the final pay factor for the lot by changing the originally established target values for the lot. The target values, as changed, must be within the designated range for the grading selected.

Delete Table 301-1 and substitute the following:

Table 301-1
Sampling and Testing

Material or Product	Property or Characteristic	Category	Test Methods or Specifications	Frequency	Sampling Point
Subbase and Base courses	Gradation (1) – Specified sieves	2	AASHTO T 11 and AASHTO T27	1 sample per 1000 t	From the windrow of roadbed after processing
	Liquid limit	---	AASHTO T89	1 sample per 3000 t	From the windrow or roadbed after processing
	Moisture-Density (maximum density)	---	AASHTO T180 method D	1 for each aggregate grading produced	Production output or stockpile
	Inplace density and moisture content	---	AASHTO T310 or other approved procedures	1 for each 500 t	Inplace completed compacted layer
Surface course aggregate	Gradation (1) – 4.75 mm 425 μm 75 μm Other specified sieves	 1 1 1 2	AASHTO T 11 and AASHTO T27	1 sample per 1000 t	From the windrow or roadbed after processing
	Plasticity index	1	AASHTO T 90	1 sample per 1000 t	From the windrow or roadbed after processing
	Moisture-Density (maximum density)	---	AASHTO T180 method D	1 for each aggregate grading produced	Production output or stockpile
	Inplace density and moisture content	---	AASHTO T310 or other approved procedures	1 for each 500 t	Inplace completed compacted layer

(1) Use only sieves indicated for the specified gradation.

Subsection 301.08 deleted

Section 601. - MINOR CONCRETE STRUCTURES

Material

601.02 Add the following:

Precast Reinforced Concrete Box Sections	706.07
Concrete coloring agents	711.05

601.03 Concrete Composition. Add the following:

(i) When colored concrete is required, submit preliminary samples of the colored concrete. Prepare a 1-meter by 1-meter by 100-millimeter panel for each acceptable mix that is to be colored. Finish and cure the panels in the same manner as the concrete will be finished and cured on the project.

Do not use precast units unless included in the plans or approved by the CO.

Construction Requirements

601.07 Acceptance. Add the following:

When compressive strength samples are taken to confirm the certification, the curing of concrete cylinders as specified in AASHTO T 23 is modified to allow curing of concrete for 28 days in waterproof molds without stripping the molds in the specified 24 +/- 8 hours.

Section 602. - CULVERTS AND DRAINS

Material

602.02 Add the following:

Precast Concrete Units	725.11

Section 703. - AGGREGATE

703.02 Coarse Aggregate for Portland Cement Concrete.

(b) Delete the text and substitute the following:

(b) Adherent coating, FLH T 512 or ASTM D 5711 1.0% max.

(c) Grading, AASHTO M 43 All sizes, except Nos. 8, 89, 9 or 10

703.05 Subbase, Base and Surface Course Aggregate.

(a) General.

(5) Delete the text and substitute the following:

(5) Fractured faces, ASTM D 5821 50% min.

(c) Surface course aggregate. Add the following:

The requirement for the materials to have a minimum plasticity index of 4 will be waived if the minus 2 mm sieve fraction of the material has a natural cementation value greater than 1150 kPa determined according to FLH T 510.

Delete Table 703-3 and substitute the following:

Table 703-3
Target Value Ranges for
Surface Course Gradation and Plasticity Index

Sieve Size	Percent by Mass Passing Designated Sieve (AASHTO T27 & T11) Grading A	Grading B
25.0 mm (1")	100	100
19.0 mm (3/4")	97-100	97-100
4.75 mm (#4)	41-71(7)	*(7)
425 um (#40)	16-30(5)	*(5)
75 um	8-14(4)	*(4)
Plastic Index (PI) (AASHTO T 90)	8(4)	8(4)

Note: Statistical acceptance procedures do not apply to sieve sizes that require 100% passing or 97 % to 100 % passing. Allowable deviations ($^{+/-}$) from the target values are shown in ( )

* Reasonably graded from coarse to fine. Variations in aggregate gradation and quality to accommodate aggregates used locally by State or other Federal highway construction agencies may be approved.

Known materials sources in the project vicinity may be non-plastic by nature, and material incorporated to meet plasticity requirements may need to be imported from separate sources obtained by the contractor. Clay added to obtain the required plasticity index shall be thoroughly mixed during production of the aggregate.

REVISED 06-02-03

REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
7	NE	NE PFH 7-1(3) SOLDIER CREEK RD	3	65

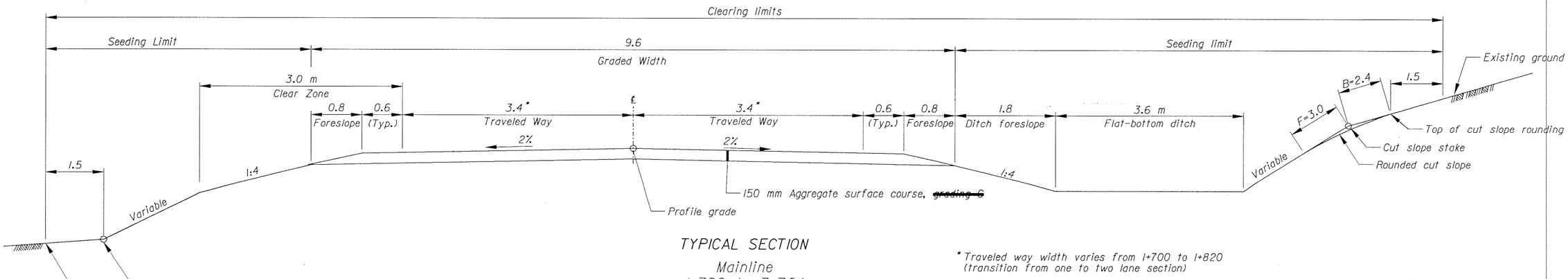
NORMAL SLOPE RATIOS

HEIGHT (m)	FILL SLOPE
0 - 1.8	1 : 4
1.8 - 3	1 : 3
OVER 3	1 : 2
DAYLIGHT	1 : 20

HEIGHT (m)	CUT SLOPE
0 - 1.2	1 : 6
1.2 - 1.8	1 : 4
1.8 - 3	1 : 3
OVER 3	1 : 2

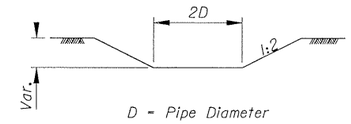
NOTES

1. The gradient and width of roadway ditches and the excavation and embankment slope ratios may be adjusted by the CO to assure adequate drainage, stability, and revegetation.
2. Round all earth and rippable rock slopes. Reduce the B and F dimensions to the actual cut slope distance for cut slope distances less than 3.0 meters.
3. Place excess material (if any) at culvert ends, embankment slopes or the back slope of ditches with approval of the CO.
4. The ditch foreslope and depth may vary from that shown in the vicinity of culverts inlets and outlets.
5. Place 100 millimeters conserved topsoil on all seeding areas.

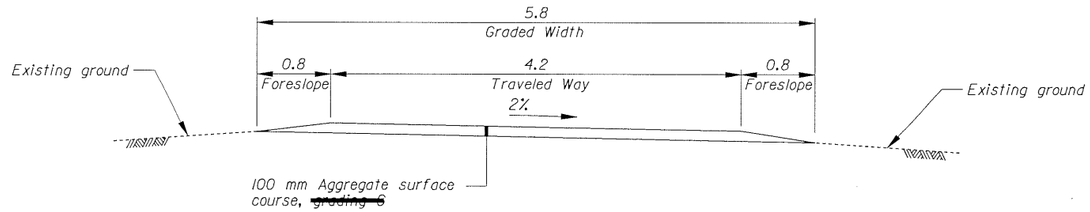


TYPICAL SECTION
Mainline
1+700 to 3+764

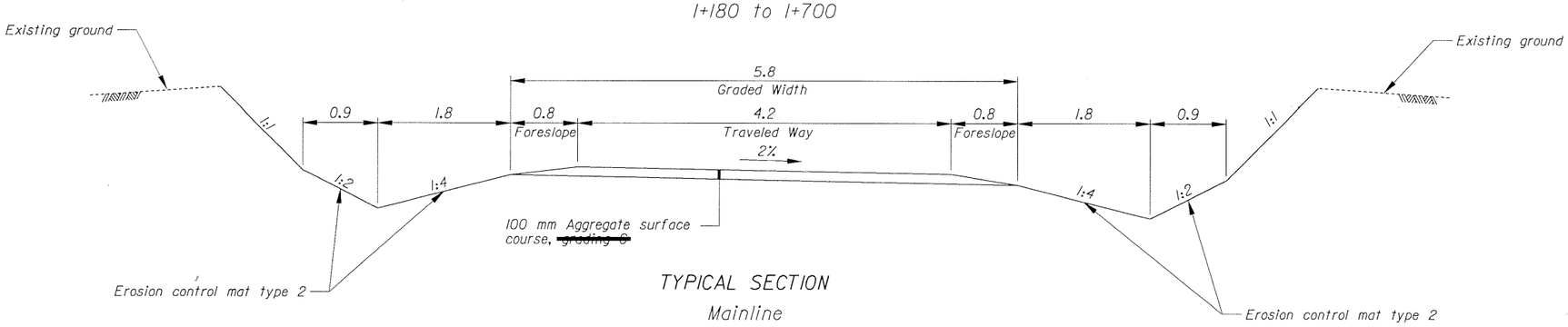
*Traveled way width varies from 1+700 to 1+820 (transition from one to two lane section)



CULVERT OUTLET DITCH DETAIL



TYPICAL SECTION
Mainline
0+900 to 1+050
1+180 to 1+700



TYPICAL SECTION
Mainline
1+050 to 1+180

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
CENTRAL FEDERAL LANDS HIGHWAY DIVISION

TYPICAL SECTION

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REVISED 06-02-03

The following quantities are approximate unless noted as a final pay item.
Payment will be made for the actual quantities of work performed and
accepted or for materials furnished in accordance with the contract.

SUMMARY OF QUANTITIES

REG.	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
7	NE	NE PFH 7-1(3) SOLDIER CREEK RD	4	65

SHEET NUMBER ---------->			6	7	8-9							ESTIMATED QUANTITIES		REMARKS AND/OR DETERMINATION OF ESTIMATED QUANTITY
SHEET DESCRIPTION ---------->			Grading Summary	Drainage Summary	Misc. Summary									
ITEM NO.	ITEM DESCRIPTION	UNIT										PLAN	BID	
15101	Mobilization	LPSM										ALL	ALL	
15202	Slope, reference, and clearing and grubbing stakes	km			2.064							2.064	2.064	
15203	Centerline re-establishment	km			2.064							2.064	2.064	
15204	Drainage structure survey and staking	Each		8								8	8	
15207	Grade finishing stakes	km			2.064							2.064	2.064	
15209	Miscellaneous survey and staking	Hour			60							60	60	
15401	Contractor testing	LPSM										ALL	ALL	
15703	Silt fence	m			1980							1980	2180	
15734	Sediment control log	m			129							129	145	
15801	Watering for dust control	m3											5000	
20101	Clearing and grubbing	ha			6.1							6.1	6.7	
20301H	Removal of pipe culverts	Each		4								4	4	
20401	Roadway excavation	m3	37230									37230	40900	
20402	Subexcavation	m3	100									100	100	
20429	Grade ditch	m			80							80	90	
21201	Linear grading	km			0.800							0.800	0.800	
25101B	Placed riprap class 2	m3		24								24	30	
25101E	Placed riprap class 5	m3		480								480	530	
30107	**Aggregate surface course**	t			7090							7090	7600	
60101	Concrete	m3		66								66	75	
60201M	600 mm pipe culvert	m		48								48	55	
60201P	900 mm pipe culvert	m		64								64	75	
60201W	1950 mm pipe culvert	m		124								124	140	
60206M	End section for 600 mm pipe culvert	Each		8								8	8	
60206P	End section for 900 mm pipe culvert	Each		8								8	8	
62201AE	Dump truck, 8 cubic meter minimum capacity	Hour											30	
62201B	Backhoe	Hour											30	
62201L	Motor grader	Hour											40	
62301	General labor	Hour											80	
62406	Placing conserved topsoil	m3	4176									4176	4590	
62501A	Seeding, dry method	ha			4.347							4.347	4.8	
62504A	Mulching, dry method	ha			4.347							4.347	4.8	
62901B	Erosion control mat type 2	m2		32	4371							4403	4850	
63302	Sign installation	m2			2.41							2.41	3	
63307A	Delineators type 1	Each		16								16	16	
63308A	Removing and resetting sign	Each			1							1	1	
63505B	Barricade type 2	Each			20							20	20	
63506	Cone	Each			30							30	30	
63507	Construction sign	m2			22.46							22.46	25	
63508	Drum	Each			10							10	10	
63509	Flagger	Hour			500							500	500	

REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
7	NE	NE PFH 7-1(3) SOLDIER CREEK RD	8	65

SURVEY AND STAKING SUMMARY

	15202	15203	15207	15209
Station to station	Slope, reference, and clearing and grubbing stakes	Centerline re-establishment	Grade finishing stakes	Miscellaneous survey and staking
	km	km	km	Hour
1+700 to 3+764	2.064	2.064	2.064	60
TOTALS	2.064	2.064	2.064	60

CLEARING AND GRUBBING SUMMARY

Item Number	20101
Station to station	Clearing and grubbing
	ha
1+700 to 3+764	6.1
TOTAL	6.1

LINEAR GRADING SUMMARY

Item Number	21201
Station to station	Linear grading
	km
0+900 to 1+700	0.800
TOTALS	0.800

GRADE DITCH SUMMARY

Item Number	20429
Station to station	Grade ditch
	m
1+050 to 1+090 LT & RT	80
TOTALS	80

SURFACING SUMMARY

Item Number	*30107*
Station to station	*Aggregate surface course*
	t
0+680 to 1+700	1135
1+700 to 3+764	5887
Approach Roads	68
TOTAL	7090

Value used for estimating purposes:
Aggregate course 2225 kg/m3

EROSION CONTROL SUMMARY

Item Number	15703	15734	62901B
Station to station	Silt fence	Sediment control log	Erosion control mat type 2
	m	m	m2
1+050 to 1+180	0	54	744
1+700 to 3+764	1980	75	3627
TOTALS	1980	129	4371

SEEDING & MULCHING SUMMARY

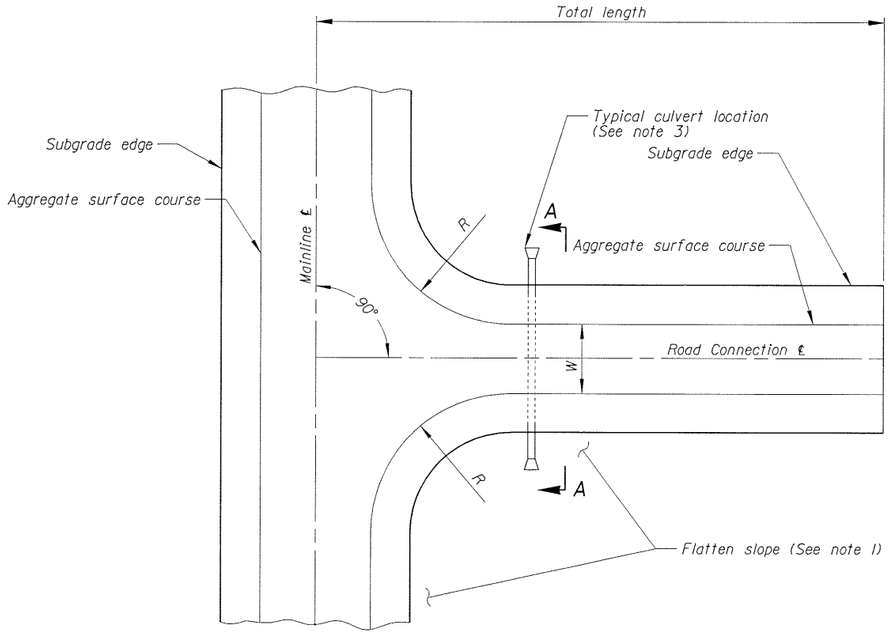
Station to station	62501A Seeding, dry method	62504A Mulching, dry method
	ha	ha
1+050 to 1+180	0.147	0.147
1+700 to 3+764	4.2	4.2
TOTALS	4.347	4.347

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
CENTRAL FEDERAL LANDS HIGHWAY DIVISION

MISCELLANEOUS SUMMARIES

REVISED 06-02-03

REG	STATE	PROJECT	SHEET NO.	TOTAL SHEETS
7	NE	NE PFH 7-1(3) SOLDIER CREEK RD	22	65

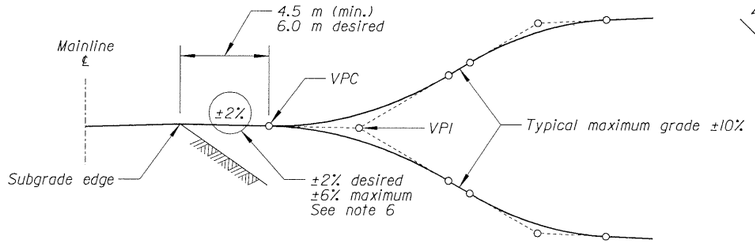


TYPICAL PLAN

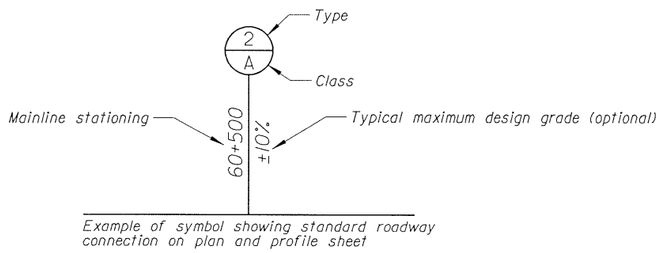
ROAD CONNECTION SUMMARY			
STATION	TYPE & CLASS	TOTAL LENGTH (m)	REMARKS
2+437 LT	1A	6.5	
2+447 RT	2A	8	
2+760 LT	1A	5	
3+562 LT	2A	8	

GENERAL NOTES

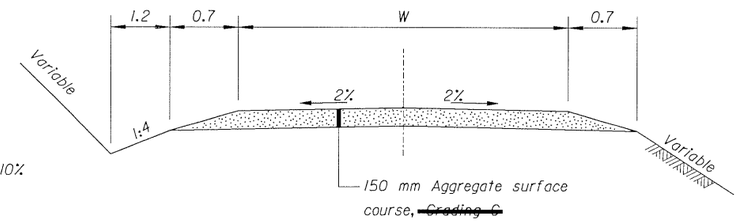
1. Cut and fill slope ratios and degree of slope finish for road connections shall be compatible with mainline roadway construction. Flatten cut and fill slope ratios at road connections to the maximum extent practical.
2. Under special conditions, the road connection angle shown may be varied ±20°.
3. Place culverts at the end of the road connection radius to provide a flatter foreslope and increased mainline recovery area. Place culvert outside of the clear zone.
4. Apply the normal mainline crown section to road connections with widths greater than 4.8 meters.
5. Refer to mainline typical section for structural section thicknesses and foreslopes.
6. Construct road connections with landing areas having grades within ±2%. In snowy regions restrict this to a 0% to -2% grade. For highly superelevated roadways, the maximum rollover shall be 6%.
7. Vary radii to fit unusual field conditions. Do not reduce existing radii or widths.



TYPICAL PROFILE



TYPICAL SYMBOL



SECTION A-A

TYPE	CLASS	WIDTH W (m)
1	A	3.6
1	B	4.2
1	C	4.8
1	D	4.8
2	A	5.4
2	B	6.0
2	C	6.6
2	D	7.2
2	E	8.4

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
CENTRAL FEDERAL LANDS HIGHWAY DIVISION

METRIC SPECIAL

ROAD CONNECTIONS

REVISED:

SPECIAL
M204-3

06/02/2003 09:55:18 AM N:\NE\ne7-1(3)\Roadway\std&del\approachdgn